

(DC-~~5~~ 5905)

Patnet Lao et Kasl, by Thai Day, 5 pp.

VIETNAMESE, per, Cua Quoc, 11 Jun 1961, p 2.

JPRS 11435

Asia - Vietnam

Pol

Jan 62

178,698

(DC-5905)

m

A Vietnamese Doctor Adjusts to Socialism, by
Nguyen Kim Nguyen, 5 pp.

VIETNAMESE, per, Cuu Quoc, 11 Jun 1961, p 5.

JPRS 11435

ASAC - VIETNAM

POL

JUN 62

178,702

(DC-THO)

Hanoi District Reorganization, by Le Duy Van,
4 pp.

VIETNAMESE, per, Cuu Quoc, 11 Jun 1961, p 6.

JPRS 11435

Asia - Vietnam
Econ
Jan 62

178, 704

(DC-700)

Pathet Lao Resistance, by Thai Duy, 5 pp.

VIETNAMESE, per, Cuu Quoc, 25 Jun 1961, p 2.

JPRS 11435

Asia - Vietnam

Pol

R Jan 62

178,697

Returned Overseas Vietnamese Residents are
Expressing Their Patriotism More and More,

VIETNAMESE, per, Cuu Quoc, N 3,085,
16 Sep 1962, pp 4-5.

JPRS 16389

FE - Vietnam
Pol
Dec 62

OUR HANOI, BY NGUYEN ~~BAC~~ BAC, 6 PP.
VIETNAMESE, PER, CUU QUOC, NO 3,088,
7 OCT 1962, PP 5-6.

JPRS 16979

FE - VIETNAM
SOC
JAN 63

219,024

THE THOUSAND AND ONE FACETS OF HANOI, BY
HAI X NHU, HAI VAN, 11 PP.

VIETNAMESE, PER, CUU QUOC, 7 OCT 1962,
PP 10-11.

JPRS 16979

FE - VIETNAM
SOC
JAN 63

219,023

DIEM'S GOVERNMENT AND VIETNAMESE RESIDENTS IN FRANCE,
BY NGUYEN KHAC VIEN, 6 PP.

VIETNAMESE, PER, CUU-QUOC, 14 JUL 1963.

JPRS 21599

FE-VIETNAM

POL

OCT 63

240,441

A Political Report of the Vietnam Fatherland Front,
15 pp.

VIETNAMESE, per, Cuu Quoc, No 3, 192, 4 Oct 1964,
pp 4-7.

JPRS: 27381

FE-Vietnam
Political
Jan 65

271,620

(DC-3282)
Why Is He Drifting Away from the Life of Min² by
Ch'ong².

KOREAN, per, Cy'ongnyon Saenghwal, No 6, 1959,
pp 27, 38.

*JPRS

FE - Korea

Pol - Legal

Jan 60

The Problem of the Basic Chromosome
Numbers of the Angiosperm Genera and
Families, by O. Tischler.

JAPANESE, H. por, Cytologia, Vol XII,
No 1, 1954, pp 1-10.

SLA 60-18027

Sci
Feb 62
Vol 4, No 9

184,676

Documents Concerning Medicine and Chemistry.
VIETNAMESE, rpt, Dai Chuong ve Lipid, Chuyen
Hoa Protid, Chuyen Hoa Lipid, Dai Chuong Gay
Zhong, 1964, 94 pp.
ACST-J-6934

Sci-Bldg
Oct 69

393,442

The Organizational Rules and Regulations of
the 101st Battalion, 43 p.
JAPANESE, per, Dai Hyakuichi Sokuryo Daitai
Naibu Soshiki Kiseku,
Army Map Service

Mil/Jap
Jpn 66

Analysis of the Twenty-Eighth General Election.
UNCLASSIFIED
Full Tr

JAPANESE, pamphlet, Dai Niju Hachijai So Senkyo
No Bunsaki, July 1958, 86 pp.

USACRPAAC, FIB
No 98021

FE - Japan

Pol

Jan 59

78,416

Research Laboratory No 2, 3 pp.

JAPANESE, rpt, Dai 2 Kenkyujo, 17 Dec 1962,
USARMA, Tokyo Rpt No 2224413.

ACSI I-5332
ID 2204031364
525th MI Gp

FE - Japan
Econ
Sci -
Nov 64

Outline of Fourth Research Center.

JAPANESE, bk, Dai Yon Kenkyu Jo [Gaiyo], publ by the
Japan Defense Agency, Tech Res Hq, May 1959, 40 pp.

USACRAPAC, PD
101321

FE - Econ

Oct 60

J-2480

Youth of Universities, by Kawaguchi Shinichi.
JAPANESE, bk, Daigaku no Seishun,
1965, pp 9-20; 109-120; 212-221; 225-252.
JPRS/SF-3750/SPECIAL

RE - Japan
Soc
May 65

J-2480

R. Kawamura

Study on sand movement by wind. 48 pp.
JAPANESE, per, Daigaku rikogaku kenkyusho hokoku, Vol 5,
Nos. 3-4, Oct. 1951, pp 95-112
NASA TT F 14,215

july 72

On the Single Crystal of Lead Titarate, by
Shoichiro Komura, Shozo Sawada, 9 pp.

JAPANESE, par, Daigaku Rikogaku Kenkyusho Hokoku,
Vol VI, 1952, pp 191-195.

ABC-SCL-T-428

Sci - Phys, Chem
Sep 62

210,930

Summary of General Reports by First Antarctic
Wintering Team. UNCLASSIFIED

JAPANESE, pamphlet, Daiichiji Ettotai Kakubumon
Etto Hokoku Gaiyo, 7 Mar 1958, 25 pp.

USACRAPAC, FPB
Tr 97387

Sci - Geophysics

Aug 58

68,497

(DC-1752)

Collection of Summaries of the Second Atomic Energy
Symposium, 39 pp. UNCLASSIFIED

JAPANESE, bk, Dainikai Genshiryoku shimpoujumu
Yoshishu, 1958, Tokyo, pp 2-10.

US JPRS/DC-L-232

Sci - Nuclear Physics; Engineering

63,431

Second Atomic Energy Symposium. UNCLASSIFIED
Full tr

JAPANESE, pamphlet, Dainikai Genshiryoku
Shipojan, Feb 1958.

6004th AISS
Tr S-3B 039

Sci - Nuclear Phys
Mar 58

60, 703

The Sixth World Youth and Students Peace
Festival.

Full tr

JAPANESE, pamphlet, Dairokai Sekai Seinen
Gakusei Heiwa Yuku Bai, undated.

500th MI Sv Gp

Tr 94714

51,558

ME - Japan

Pol

Aug 57

The Adhesion Characteristic in Locomotives and
Some Relevant Factors, by S. Shiro.
JAPANESE, per. Daini Gakkaishi, Vol 80, No
5, 1960, pp 606-614.
NII 3774.5 (1442)

Sci-Engr
Nov 67

345,211

XXTHE POPULATION EXPLOSION AND THE PROBLEM OF
WORLD FOOD SUPPLY, BY NAKHUM FONDEK, 5 PP.

HEBREW, PER, DAVAR, 10 MAY 63, P 4.

JPRS 199109

ME-ISRAEL
ECON
JUL 63

235,170

(DC-3232).

The Indonesian Concept of Guided Democracy, by Y. K.
Tumakaka, 28 pp.

INDONESIAN, monograph, Demokrasi Terpimpin, L. ...arta,
1959, pp 26-36.

JPRS-1129-D

FE - Indonesia
Pol
Feb 60

107,117

(DC-4397)

Democracy for Indonesia, by Hasan Muhammad Tiro,
82 pp.

INDONESIA, bk, Demokrasi Untuk Indonesia, 1959,
pp 1-186. 908051

JPRS 6318

FB - Indonesia

134,337

Pol

Dec 60

Radio Wave Weekly, by Kondo Kiyomi.

Full tr

JAPANESE, pamphlet, Dempa Jiho, 1 May 1957,
pp 48-51. (KOC 30 Sep 1957)

*500th MI Sv Gp
Tr 95391

Sci - Electronics
FE - Japan
Econ - Radio
Oct 57

53,458

On the Revision of Four Ministerial Ordinances
on the Regulations and Laws of radio, (I),
by Zensiro, OYA, 12 pp.
JAPANESE, pamphlet, Dampu Jihor, 1 Oct 63, pp 56-59,
(Call No Not Given, Eng Tr)
Army Map Service

War E
Rcon
Jul 64

262, 822

Revision of Various Regulations Concerning the
Citizen's Radio, by Tameki, Sano, 13 pp.
JAPANESE, pamphlet, Dempo Jihar, 1 Oct 63,
pp 60-63.
(Call No Not Given, Eng Tr)
Army Map Service

Far E
Econ
Jul 64

262,823

Radiowave Research Institute, 114 pp. UNCLASSIFIED
JAPANESE, brochure, Denpa Kenkyujo, 1957.

6004th AIBS
Tr 8-38-104-58
(EDC 28 Jul 1958)

Sci - Phys
Jun 58

64,809

Guide to the Radio Research Laboratories.
UNCL.

JAPANESE, brochure, Dengu Kenkyusho no
Shiori.

6004th AISS
S-2B-037

Sci - Electron

May 59

87,301

Radio Wave Yearly.

Full tr

JAPANESE, bk, Densha Hankan, 1957, pp 246-268.
(EDC 30 Sep 1957)

*500th MI Sv Op
Tr 95392

Sci - Electronics
Oct 57

53,457

General Radio Services. UNCLASSIFIED

JAPANESE, pamphlet, Densha Nenkan Showa 33 Nen
(Radio Yearbook 1958), 15 Mar 1958, pp 77-165.

USARISC-ID Svo B:
Tr 97360

Sci - Electronics
Jun 58

65,386

Radio Wave Monitoring. UNCLASSIFIED

JAPANESE, pamphlet, ~~Dokyo Nankan Shoma~~ 33 Men,
(Radio Yearbook 1958), 15 Mar 1958, pp 260-282.

USARISC-ID Svc: Br
Tr 97360

Sci - Electronics
Jun 58

65,387

Weather Radio, by Kiyoshi Uyematsu, 12 pp.

JAPANESE, per, Dempa Nippon, Vol XLII, No 2/3,
Jun 1947.

CIA/FID/X-1461

USSR - Weather stations

Scientific - ~~Physics~~ *ELECTRONICS*
Geophysics

13,716

Inspection of Soviet Industry, by Kenichiro Komai,
11 pp, UNCLASSIFIED

JAPANESE, re: per, Denki, Dec 1954, Encl to
IR-430-55, Sep, Oct 1954. CIA D-206951.

AF 618348

5

24242

Jun 55 CDS

USSR -
Economic - electric machine plants, electric power,

Present State and Recent Developments of
the Lightning Arrester for AC Power
Systems, by the Study Committee on
Lightning Arrester, by Denki Gakkai.
JAPANESE, for, Denki Gakkai Gijutsu
Hokoku, No 33, 1959.

Dept of Interior

TK3248

639

Sci - Elec

Mar 66

296,419

The Characteristics of Metal Oxide Magnets, by
Thomas S. Simms, 18 p.

JAPANESE, per, Denki Gakkaishi, 1933, Vol LIII,
pp 408-412.

SLA 59-20943

Sci
Mar 60
Vol 3, No 1

111, 022

On the Elimination of the Edge Effect of Electrodes
in the Breakdown of Solid Dielectrics, by Yukio
Saito, 18 pp.

JAPANESE, per, Denki Gakkaishi, Vol. LVI, 1936,
pp 1036-1041. 9089546

ASC SCL-T-420

Sci - Electricity
Jul 62
List 70

204, 734

62-14085

Nagai, K., Sato, R., and Iwasaki, S.
ON LINEAR DISTORTION OF MAGNETIC RECORD-
ING. [1962] 14p. (figs. omitted).
Order from SLA \$1.60

62-14085

Trans. of [Denki Gakkai Zasshi] (Japan) 1953, v. 73,
p. 717-721.

DESCRIPTORS: *Magnetic recording systems,
*Distortion. Wave transmission, Amplitude modulation,
Frequency modulation, Modulation.

(Engineering--Electronic, TT, v. 9, no. 9)

I. Nagai, K.
II. Sato, R.
III. Iwasaki, S.

Office of Technical Services

On the Ignition Phenomena of Discharge Tubes
With an Igniter, by Yasushichi Goshō.

JAPANESE, per, Denki Gakkai Zasshi, Vol III,
74th Edit, 1954, pp 271-277.

AEC SCL-T-294

Sci - Electronics

Apr 60

115,086

Firing Time of Anode of An Ignitron, by Naohel Yamada,
Yoshitaka Ueda, Yoshiyuki Hida,

JAPANESE, part, Denshi Gakkaishi Zasshi, Vol. LXXV, 1955,
pp 465-470.

AEC SCL-T-292

Sci - Chem

Apr 50

115,084

Increase in TV Broadcast Use Channels. UNCLASSIFIED

JAPANESE, per, Danki Gakkai Zasshi, Mar 1957.

USASIA Tr 9729-6

Sci - Electron

Feb 58

59, 230

Chapter 7 - Atomic Energy for Electric Power - Present
Condition of the Japanese Electric Industry; White
Paper on Electric Power, (Japan), 29 pp.

JAPANESE, bk, Denki Jigyo no Genjo; Denryoku Hakusho,
Tokyo, 28 Jun 1957, pp 238-263; publ by Public Utili-
ties Bureau, Ministry of International Trade and In-
dustry.

CIA/FDD Tr 689

FE - Japan
Econ - Electric Industry
Sci - Nuclear energy

59,122

Fusion Characteristics of Metallic Conductors
with Impulse Currents, by Y. Suzuki,
JAPANESE, per, Donki Gakkai Zasshi, Vol
LXXI, No 874, 1961, pp 1100-1108.
ATS JS-114

Sci-Phys
Apr 67

324,813

The Design of Coaxial Tubular Shunts for
Surge-Current Measurements, by S. Kawamata.
JAPANESE, per, Denki Gakkaï Zasshi, Vol 82,
1962, pp 1318-1326.
NTC-71-11414-09C

Nov 71

Kameyama, Naoto, Yokoyama, T., Sato, S., Inoue, T.,
and Torii, Y.

**STUDIES OF ELECTROPLATING OF ALUMINUM
UPON METALS, PT. 1. [1963] 42p (figs omitted)**

Order from SLA \$4.50

TT-64-10156

Trans. of [Denki Kagaku] (Japan) 1935, v. 3, p. 127-141.
Another trans. is available from SLA as I-306, 51p.

DESCRIPTORS: *Aluminum coatings, *Electroplating,
Metals, Aluminum compounds, Bromides, Electrolysis,

TT-64-10156

- I. Kameyama, N.
- II. Yokoyama, T.
- III. Sato, S.
- IV. Inoue, T.
- V. Torii, Y.
- VI. SLA-I-306

(Metallurgy--Light Metals, TT, v. 11, no. 5)

Office of Technical Services

Corrosion-Resistant Electrodes for Aluminum
Electrolysis, by Yasumasa Hayakawa.
JAPANESE, per, Denki Kagaku, Vol XIII,
1945, pp 2-3.
SLA TT 64-20518

Sci
May 67

327,207

Corrosion-Resistant Electrodes for Aluminum
Electrolysis. Pt II. Experiments With
Metallic Iron, Metal Carbides and Ferroso-
Ferric Oxide, by Yasumasa Hayakawa.
JAPANESE, per, Denki Kagaku, Vol XIII,
1945, pp3-6.
SLA TT 64-20519

Sci
May 67

327,208

Noguchi, T.
A STUDY OF THE MECHANISM OF ALUMINUM
ELECTROLYSIS. REPT. I. THE INFLUENCE OF
METALLIC ALUMINUM ON THE SOLIDIFICATION OF
A MOLTEN CRYOLITE-ALUMINA SYSTEM. [1963]
[6p] (preface figs tables omitted)
Order from SLA \$1.10

TT-64-14388

Trans. of [Denki Kagaku] (Japan) 1947, v. 15, p. 39-42.
Another trans. is available from SLA as I-448, 6p

(Chemistry--Physical, TT, v. 11, no. 11)

TT-64-14388

I. Noguchi, T.
II. Title: Influence ...

Office of Technical Services

TT-64-14692

Shishido, Shunsuke.
HIGH VISCOSITY (II). Rept. 11 on [Electrolytic] Con-
ductivity of Fused Salts. [1963] 18p (figs omitted)

I. Shishido, S.
II. Title: Electrolytic...

10refs

Order from SLA \$1.60

TT-64-14692

Trans. of Denki Kagaku (Japan) 1948, v. 16, no. 1/4,
p. 1-5.

(Chemistry-Physical, TT, v. 12, no. 1)

Office of Technical Services

Study of Tungsten Oxides which Possess High
Dielectric Constants (First Report) by Mariyuki
Kagawa.

JAPANESE. per, Bunshi Kagaku, Vol 16, 1948,

pp 13-15.

ACSI J-3176

ID 2204036567

Sci-Electronics
Nov 67

343,987

Study of Tungsten Oxides which Possess High
Dielectric Constants (Second Report), by Mariyuki
Nagasawa,
JAPANESE, per, Denshi Kagaku, Vol 23, 1948,
pp 57-59.
ACSI J-3176
ID 2204036567

Sci-Electronics
Nov 67

343,988

Nozaki, Hiroshi.
ELECTROLYSIS OF FUSED SALTS. PT. 3. ELEC-
TROLYSIS OF FLUORIDES OF ALUMINUM AND
SODIUM. [1963] [1 p]
Order from SLA \$1.60

63-20466

Trans. of [Denki Kagaku] (Japan) 1948, v. 16,
p. 15-16.

DESCRIPTORS: *Fused materials, Salts, *Electrolysis,
Sodium compounds, Aluminum compounds, Fluorides,
Chemical reactions.

(See also 63-20465)

(Chemistry--Physical, TT, v. 10, no. 12)

63-20466

I. Nozaki, H.
II. Title: Electrolysis of
Fluorides...

Office of Technical Services

63-20465

Nozaki, Hiroshi.
ELECTROLYSIS OF FUSED SALTS, PTS. 1-2. [1963]
[15p]

I. Nozaki, H.

Order from SLA \$1.60

63-20465

Trans. of [Denki Kagaku] (Japan) 1948, v. 16, p. 31-36.

DESCRIPTORS: *Fused materials, Salts, *Electrolysis,
Aluminum compounds, Oxides, Chemical reactions,
Electrochemistry, Metals, Mixtures.

Contents:

Voltaic reaction between a metal and its salt
A discussion of the voltaic effect in a mixture of a
metal and a salt, and the relationship between the
voltaic effect and electrolysis.

(Chemistry--Physical, TT, v. 10, no. 12)

Office of Technical Services

Shishido, Shunsuke.
HIGH VISCOSITY (II-III), Rept. 12 on Electrolytic Con-
ductivity of Fused Salts. [1963] 33p (figs omitted)
2refs
Order from SLA \$3.60
Trans. of [Denki Kagaku] (Japan) 1948, v. 16, p. 47-54.
See also TT-64-14692)

TT-64-14683

I. Shishido, S.
II. Title: Electrolytic...

(Chemistry--Physical, TT, v. 12, no. 1)

Office of Technical Services

Solubility of MgO in an Electrolytic Bath
of Al. and the Influence of MgO on the
Solubility of Al₂O₃ and the Density of the
Bath, by Giichiro Fuseya, Bunshichi Takeda.
JAPANESE, per, Denki Kagaku, Vol XVII,
1949, pp 31-32.
SLA TT 64-20520

May 67

327,204

Tsuchiya, Ryokichi.
OXIDATION EQUILIBRIUM OF MAGNESIUM
ELECTROLYTIC SOLUTION III. OXIDATION
EQUILIBRIUM OF THE MIXED SOLUTION OF
MAGNESIUM CHLORIDE WITH POTASSIUM OR
SODIUM CHLORIDE. 11p (2 figs omitted) 2refs
Order from SLA \$1.60 TT-64-16434

Trans. of [Denki Kagaku] (Japan) 1949, v. 17,
(no. 5) p. 76-79.

(Chemistry--Physical, TT, v. 12, no. 3)

TT-64-16434

I. Tsuchiya, R.
II. Title: Oxidation
Equilibrium ...

Office of Technical Services

Mukaiho, Takashi and Matsumo, Takeo.
STUDIES OF THE PROPERTIES OF FUSED ELEC-
TROLYTES FOR THE ELECTROLYTIC PRODUCTION
OF MAGNESIUM. [1964] 21p (figs omitted) 6refs
Order from SLA \$2.60 TT-64-14151

Trans. of [Denki Kagaku] (Japan) 1949, v. 17,
p. 127-132.
Another trans. is available from SLA as II-502, 2p.

TT-64-14151

- I. Mukaiho, T.
- II. Matsumo, T.
- III. SLA-II-502

Office of Technical Services

(Chemistry--Physical, TT, v. 12, no. 1)

Fuseya, Gichiro and Ouchi, Kenichi.
THE MEASUREMENT OF THE DENSITIES OF THE
BINARY ELECTROLYTIC BATH $\text{NaCl}-\text{CaCl}_2$ [1963]
12p 20refs
Order from SLA \$1.60

TT-63-20464

Trans. of [Denshi Kagaku] (Japan) 1949, v. 17,
p. 254-258.

DESCRIPTORS: *Chlorides, *Sodium compounds,
*Calcium compounds, Electrolytes, Mixtures,
Melting, Density, Surface tension, Electrolysis.

(Chemistry--Physical, TT, v. 11, no. 2)

TT-C3-20464

I. Fuseya, G.
II. Ouchi, K.

Office of Technical Services

Sakai, Kaoru.

PREPARATION OF BINARY LEAD-CALCIUM ALLOY
BY ELECTROLYSIS OF FUSED SALTS. [1963] 8p

(figs omitted) 23refs

Order from SLA \$1.10

TT-64-14665

Trans. of [Denki Kagaku] (Japan) 1950, v. 18, p. 12-14.

(Metallurgy, TT, v. 11, no. 12)

TT-64-14665

I. Sakai, K.

Office of Technical Services

(FDD 20885)

Dielectric Properties of Oxides of Rare Metals, by
Shigeyuki Nagaoawa, 8 pp.

JAPANESE, per, Denki Kagaku, Vol XVIII, Jan 1950.

CIA/FDD/U-6115

FE - Japan

S.L.F. 432

Sci - Physics

Jul 54 CTS

17,236

Palladium Electrode for the Measurement of
PH. -Denki Kagaku, by Fusao Ishikawa, Sebuo
Fuji, 11 pp.

JAPANESE, per, Denki Kagaku (Journal of the
Electrochemical Society of Japan), Vol XVIII,
No 6, Jun 1950, pp 187-189.

NIH Tr 95

Sci - ~~Electronics~~

Chemistry
30,319

TT-63-20774

I. Kuroda, T.
II. SLA-AL-451

K-H 2857

Kuroda, T.
PREPARATION OF RARE EARTH METALS BY
ELECTROLYSIS OF FUSED SALTS. [1963] 31p 53refn
Order from SLA \$3.60 TT-63-20774

Trans. of [Denki Kagaku] (Japan) 1950, v. 18,
p. 239-246.
Another trans. is available from SLA as AL-451,
31p. (Abstract available).

DESCRIPTORS: *Rare earth elements, Metals,
*Electrolysis, Fused materials, Salts, Chlorides,
Dehydration, Fluorides.

The preparation and electrolytic decomposition of
anhydrous salts of La, Ce, Pr, Nd, Sm, and Yt are
discussed. Abstracts of foreign and domestic literature
relating to the preparation of rare metals are presented.
(Author)
(Chemistry--Physical, TT, v. 11, no. 4)

Office of Technical Services

TT-63-20762

- I. Sakai, K.
- II. Imai, H.
- III. Title: Preparation ...
- IV. SLA-AL-632

Sakai, Kaoru and Imai, Hideo.
STUDIES ON THE PREPARATION OF CALCIUM-
MAGNESIUM ALLOY BY THE ELECTROLYSIS OF
FUSED SALTS. PT. I. ON THE PREPARATION OF
Ca-Mg ALLOY FROM THE FUSED HALIDE MIXTURES
CONTAINING MgO BY MEANS OF ELECTROLYTIC
SIMULTANEOUS DEPOSITION. [1963] [9p] 33 refs
Order from SLA \$1.10 TT-63-20762

Trans. of [Dokki Kagaku] (Japan) 1951, v. 19,
p. 107-110. (Abstract available)
Another trans. is available from SLA as AL-632,
7p. (Abstract available).

DESCRIPTORS: *Calcium alloys, *Magnesium alloys,
*Electrodeposition, Halides, Magnesium compounds,
Oxides, *Electrolysis, Chlorides, Fluorides, Potassium
compounds, Sodium compounds, Hydrogen compounds,
Silicon compounds, Dioxides, *Fused materials, Salts.
(Chemistry--Physical, TT, v. 11, no. 4) (over)

Office of Technical Services

Hayakawa, Yasumasa and Kido, Hidchiko.
THE SOLUBILITY OF SUBSTANCES IN MOLTEN
SALTS. REPT. 1. THE SOLUBILITY OF MAGNESIA
AND LIME IN MOLTEN CRYOLITE. [1964] 7p (figs
omitted)

Order from SLA \$1.10

TT-64-14141

Trans. of [Denki Kagaku] (Japan) 1951, v. 19,
p. 374-376.

Other translations are available from SLA as II-331, 7p
and from K-H \$4.20 as K-H-3000-d [1964] 7p.

TT-64-14141

- I. Hayakawa, Y.
- II. Kido, H.
- III. Title: Solubility...
- IV. SLA-II-331

(Chemistry--Physical, TT, v. 12, no. 1)

Office of Technical Services

Studies on Various Modifications of Sodium
Amalgam. Rept. 4. Inquiries into the Structure
of Sodium Amalgam, by Yoshiki Inoue, Akira
Osugi, Takao Amoo, Akira Takai, Kazutaka Adachi,
Takayasu Asafuji, 10pp
JAPANESE, per, Denko Kagaku, Vol 22, 1954, pp
121-126
SLA TT-65-10019

Sci - Chem
June 67

329,386

Electrochemical Study of Corrosion Phenomena.
Part 4. On the Passivation Mechanism of Iron in
Chromate Solutions, by Go Okamoto, Yukio Mitani,
Masaoichi Nagayama.

JAPANESE, per, Denki Kagaku, Vol XXIV, 1956,
pp 59-74.

Navy 3010/MRL 876

Sci - Chem, Phys

180,700

Feb 62

Characteristics of High Temperature Type Solid
Electrolyte Fuel Cells Employing $\text{CaO} - \text{La}_2\text{O}_3$
System Solid Solutions, by T. Takamashi,
K. Ito, H. Iwamura, 17 pp.
JAPANESE, per, Daiichi Kagaku, Vol 34, 1956,
pp 205-209. FS11101307
AEC HP-Tr-1526

327,861

Sci - Electronics
Jun 67

Kato, J. and Sakuma, M.
POLAROGRAPHIC SEARCH FOR CATHODES
EFFECTIVE FOR PARTIAL REDUCTION. [1961] p.
Order from ATS \$16.85 ATS-95N49]
Trans. of Denki Kagaku (Japan) 1957, v. 25, p. 126-131.

(Chemistry--Physical, TT, v. 5, no. 11)

61-22134

1. Polarographic analysis
 2. Electrodes--Materials
 3. Oxidation-reduction
reactions--Analysis
 4. Electrochemistry
- I. Kato, J.
 - II. Sakuma, M.
 - III. ATS-95N49]
 - IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Electrolytic Partial Hydrogenation of 2-butyne-1
4-diol. Part 2. Electrolytic Partial Hydrogenation
of 2-butyne-1,4-diol with the Use of a Ag-Cu
Cathode, by J. Kato.
JAPANESE, par, Dunki Kagaku, Vol 25, 1957,
pp 331-337.
ATS-JE-246

Sci-Chem

On the Slade Potential of Passive Nickel,
by Go Ohtamoto, Tetsuo Takaishi, et al.

JAPANESE, per, Danki Kagaku, Vol XXVI,
1958, pp 615-619.

*FTD-TT-62-1781

Sci - Min/Met
Nov 62

Mizuno, S. and Toshima, S.
THE ELECTROLYSIS OF BRINE WATER WITH A
MERCURY JET CATHODE. [1963] [20p]
Order from SLA \$11.60 TT-64-14360

Trans. of Denki Kagaku (Japan) 1959, v. 27, p. 391-394.
(Abstract available)

DESCRIPTORS: *Electrochemistry, *Sea water,
*Sodium compounds, Chlorides, Impurities,
Electrolysis, *Cathodes (Electrolytic cells) *Mercury,
Liquid jets, Ultrasonic radiation.

Brine was electrolyzed using the mercury cathode in which mercury was ejected at high speed from a capillary to form a continuous stream. An abnormally high current density at the cathode could be easily obtained, and the current density was controlled largely by the mercury flow rate. Electrolysis of purified sodium chloride solution was performed, and it was found that electrolysis could be carried out at sufficiently high (Chemistry--Physical, TT, v. 11, no. 11) (over)

TT-64-14360

- I. Title: Jet cathodes
- I. Mizuno, S.
- II. Toshima, S.

Office of Technical Services

Electron Microscopic Studies of the Surface
Structure of Cadmium Hydroxide Electrodes, by
Shiro Yoshizawa, Zenichiro Takehara, et al.
JAPANESE, per, Danki Kagaku, Vol 28, 1960,
pp 10-16. P9111126566
AEC SC-T-66-0754

Sci/Electronics
Dec 66

314,590

Changes of Fine Structure of Cadmium Electrode
Surface by Various Discharge Conditions, by
Shiro Yoshizawa, Zenichiro Takehara.
JAPANESE, per, Denki Kagaku, Vol 26, No 2, 1960,
pp 55-58. P911126766
AEC SC-t-66-0751

Sci/electronics
Dec 65

314,588

62-10621

I. Maeda, M.

Maeda, Masao.
SEMICONDUCTOR ELECTRODE. [1961] [20]p.

18 refs.

Order from SLA \$1.60

62-10621

Trans. of Denki Kagaku (Japan) 1961, v. 29, p. 8-14.

DESCRIPTORS: *Semiconductors, *Electrodes,
Electrochemistry, Space charges, Reduction, Germa-
nium, Solid state physics.

This short paper explains the difference when semi-
conductor instead of metals are used for electrode.

(Physics--Solid State, TT, v. 7, no. 11)

Office of Technical Services

62-18322

Yokoyama, Tatsuo.
ON THE CHANGE OF THE ESCAPE OF CHLORINE
AFTER THE DISAPPEARANCE OF FREE HYDRO-
CHLORIC ACID IN THE CHLORATE CELL. Pt. 2 of
Studies on the Escape of Chlorine in the Sodium
Chlorate Cell. [1962] 9p. 2 refs.
Order from SLA \$1.10 62-18322

I. Yokoyama, T.
II. Title: Studies ..

Trans. of Denki Kagaku (Japan) [1961] v. 29, p. 697-701.

DESCRIPTORS: Electrolytic cells, Chlorates, *Hydro-
chloric acid, *Chlorine, Sodium compounds,
Electrolysis.

The escape of chlorine is determined by the entire
amount of gas evolved from the bath and the pressures
of Cl_2 and HClO . During electrolysis, the Cl_2
pressure sometimes varies quite widely but the per-
centage of variation of the total amount of gas evolved is
small. Depending on the amount of hydrochloric acid
(Engineering-Chemical, TT, v. 9, no. 9) (over)

Office of Technical Services

Oxygen Electrodes for a High-Temperature Fuel
Cell, by T. Takahashi, A. Morawa, et al.

JAPANESE, per, Denki Kagaku, Vol XXIX, No 11,
1961, pp 762-765.

NASA TT J-8288

Sci
Apr 63
US GOV'T ONLY

229,188

Fuel Cells (Part II). Preoxidation of the Sintered
Nickel Electrode, by T. Takahashi, K. Ito.

JAPANESE, par, Denki Kagaku, Vol XXIX, No 12,
1961, pp 867-872.

NASA TT F-8287

Sci
Apr 63
US GOV'T ONLY

229,187

Semiconductive Films, by Z. Sakai,
JAPANESE, or, Denki Kagaku, Vol XXX, 1962,
pp 82-88.
ATS JS-71

Sci-Phys
Apr 67

324,774

Ueda, S., Watanabe, A., and Tsuji, F.
THE ADSORPTION BEHAVIOR OF NONIONIC SURFACE-
ACTIVE AGENTS CONSIDERED FROM THE STAND-
POINT OF THE DIFFERENTIAL DOUBLE LAYER
CAPACITY. [1963] 10p.
Order from ATS \$16.00

ATS-88Q69J

Trans. of Denki Kagaku (Japan) 1962, v. 30, no. 8,
p. 582-586.

DESCRIPTORS: *Adsorption, *Surface-active
substances, *Electrical double layer, Electrochemistry.

(Chemical--Physical, TT, v. 10, no. 6)

63-17772

- I. Ueda, S.
- II. Watanabe, A.
- III. Tsuji, F.
- IV. ATS-88Q69J
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Studies of Vertical Mercury Cell With
Cylindrical Cathode, by S. Sawada, et al.
JAPANESE, per, Denki Kagaku Vol XXXI,
1963, pp 776-781.
Chem Times Sv No 2563

Sci-Chem
Mar 67

322,142

T. Takahashi

O. Yamamoto

The conductivity of solid electrolytes. Part 3: The
conductivity of Ag₃SI. 16 pp.

JAPANESE, per, Denki Kagaku, Vol 32, 1964, pp 610-615
NASA TT F 14,200

June 72

Phase Diagrams of the System Thallium Chloride-
Alkali Chlorides and Thallium Chloride-Eutectic
Chlorides, by Seichi Tachi, 9 pp.
JAPANESE, per. Jichi Kagaku. Vol XXXII, 1964,
pp 167-170.
REC-15-11-7

Sci-21111 Chao
Aug 65

286,382

The Lift Action of Chlorine Bubbles in
Graphite Anode of a Horizontal Mercury
Cell, by K. Takata, H. Morishita. 10p.
JAPANESE, per, Denki Kagaku, Vol 32,
No 8, 1964, pp 586-589.
TC-1050

Sci-Chem
Aug 66

303,871

Model Experiment on Specific Resistance of
Brine-Containing Bubbles, by Kazuo Takata,
Hiroshi Morishta.

JAPANESE, per, Denki Kagaku, Vol 32, 1964,
pp 376-378.

TC-1053

Sci-Chem
Sept 66

303,873

Studies on Chlorine Bubbles in the Electric
Cell of Mercury Chlorine Process. Pt. 3
The Bubble-Dispersion Layer Formed in the
Neighborhood of the Anode and Its Ohmic Drop,
JAPANESE, per, Denki Kagaku, Vol 32, 1964,
pp 378-381.
TC-1052

Sci-Chem
Sept 66

303,872

Application of the Polarographic Method to the
Analysis of Synthetic Phosphors With a Note
On the Estimation of Palladium, by Shinichiro
Hakomori, Takashi Tashiro, 12 pp.

JAPANESE, per, Denki Kagaku Kyokaiishi, Vol II,
1934, pp 15-18.

AEC ~~88~~ TT-880

Sci - Chem
26 Oct 60

130,869

Preliminary Consideration on the Mercury Flow in
the Mercury Chlorine Cell (Part 1) Pure Mercury
Flow in the Non Operated Cell, by Sugino Toshiyuki,
27 pp.

JAPANESE, per, Denki Kagaku Zasshi, Vol XX, 1952,
pp 495-502.

AEC UCRL-Trans-515

Sci - Chem
Apr 60

112,931

Investigation of the Contact and Duration
Measurement Apparatus and the Arc Duration of Silver
Contacts, by G. Matsumoto, S. Hoshara, K. Mano.

JAPANESE, monograph, Denki Kankai Gakkai Tohoku
Shiba Bunkai, Oct 1958.

ATS-63F50J

Sci
Mar 62

Vol VII, No 2

189,537

TT-65-14158

Field 20C

Hattori, S.
THE RELATION BETWEEN THE PHYSICAL TREATMENTS
AND THE MAGNETIC PROPERTIES OF SOFT MAGNETIC
MATERIALS. 178p (13 half-tone figs not reproducible)
59refs.
Order from SLA: \$12.50 as TT-65-14158

Trans. of Tokyo Denki Kenkyo-sho Kenkyu Hokoku (Japan)
Research reports no. 636, Jan 1963.

Nagai, K., Mano, K., and Kitadate, F.
IMPROVEMENT OF ROTARY SWITCHES. [1961] 3p.
Order from ATS \$5.50 ATS-61N50

Trans. of mono. Denki San-Gakkai Tokyo Shibu Rengo
Taikai (Joint Meeting of the Tokyo Branches of the
Three Electrical Societies) Oct 52, p. 47.

DESCRIPTORS: *Rotary switches, Design.

61-22382

- I. Nagai, K.
- II. Mano, K.
- III. Kitadate, F.
- IV. ATS-61N50
- V. Associated Technical
Service, Inc., East
Orange, N. J.
- VI. Title: Joint...

176632

Office of Technical Services

(Engineering - Electrical, TT, v. 6, no. 6)

Carbon Potential in the Endothermic-Type Gas
Atmosphere, by M. Yasuda, S. Masumoto.
JAPANESE, per, Denshi Seiko, Vol XXXIII, No 3,
1962, pp 117-128.
BSI 3507

Sci - Engr
Sep 64

267,004